

Questionnaire for water circuits ($Q > 50 \text{ m}^3/\text{h}$)

Date of Interview:

Questionnaire-ID:

Company:

Name:

Site:

Address:

Contact person:

Full Name:

Position:

Department:

Phone number:

E-mail:

Thank you very much for your co-operation!

Your WaterWatt contact person:

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Part A: General Questions

1) Does your company have an internal energy saving program?

yes no

If yes, please specify

2) The WaterWatt project will develop an online tool for self-assessment and improvement of the energy efficiency of water circuits.

In your opinion, what should this tool be able to do? How could it help you?

Part B: Detail Questions

3) **Internal circuit name**

4) **Circuit function** (cooling, rinsing,...)

5) **Closed or open circuit** (with or without air contact)

6) **Circuit flow in m^3/h** (min, max, average, if known)

7) **Energy consumption in MWh/y** (please specify consumption of the single circuit units like pumps and cooling towers if known):

8) **Product description and production rate if known** (e.g. steel coil, X t/y)

9) **Operational hours of circuit in h/y** (24/7, 365 d/y)

10) **Is the water circuit automatically or manually turned off, when the production stops?**

yes no

If yes, please specify:

b) Cooling units:

Type	Number of units	Nominal flow Q [m ³ /h]	Nominal power [kW]	Consumed electricity [MWh/y]	Operated [h/y]	Δ T [K]	Influent T [°C]

c) Water treatment:

Type	Number of units	Nominal flow Q [m ³ /h]	Nominal power [kW]	Consumed electricity [MWh/y]	Operated [h/y]	Δ p [bar]	Remarks

d) Pipes:

Type	Material	Dia-meter [mm]	Length [m]	Flow [m ³ /h]	Age [y]	Δ p [bar]	Remarks

e) Other:

15) Further comments